

Claims

1. A production device for execution of a blow molding, charging, and sealing process for plastic containers including at least a molding device (10) of the first type into which at least one tube of plasticized plastic material may be introduced, characterized in that the respective molding device (10) of the first type may be pivoted about an axis (20) to individual spatially separated stations (22, 24, 26, 28) and in that at least one station (24) performs the function of blow molding of the container and another station (26) the function of charging and sealing the container as thus blow molded.
2. The production device as claimed in claim 1, wherein at a first station (22) the respective tube of plasticized plastic material may be introduced into the molding device (10) of the first type, wherein this tube may be subjected to blow molding at a second station (24) following in the direction of pivot in order to produce the container, wherein the blow-molded container is charged and may be sealed under sterile conditions at a third station (26) following in the direction of pivot, and wherein the process of removal of the mold from the respective container which has been blow-molded, charged, and sealed under sterile conditions at a fourth station (28) following in the direction of pivot.
3. The production device as claimed in claim 2, wherein the four stations (22, 24, 26, 28) are spaced from each other at a radial distance of 90° in the direction of pivot of the molding device (10) and wherein four molding devices (10) of the first type may be pivoted in sequence to the respective stations (22, 24, 25, 28).
4. The production device as claimed in one of claims 1 to 3, wherein the respective molding device (10) of the first type may be pivoted about a vertical axis (20) and wherein the respective stations (22, 24, 26, 28) are mounted so as to be stationary.

5. The production device as claimed in one of claims 1 to 4, wherein there is present in addition to the molding device (10) of the first type another one (32) of the second type which performs the function of sterile sealing of the respective plastic container on its open neck and head side by way of which molding device (10) the respective container may be charged with the fluid under sterile conditions.
6. The production device as claimed in claim 5, wherein the molding device (10) of the first type may be pivoted to a position below the drive unit (64, 66) of the molding device (32) of the second type mounted so as to be stationary and wherein the associated molding tools (10, 60) of the first and the second molding device (10; 32) form a common longitudinal axis.
7. The production device as claimed in claim 5 or 6, wherein the respective molding device (10; 32) may be actuated for moving at least one molding tool (40, 40a; 60) by means of a link control component (42; 64) which moves the respective molding tool (40, 40a; 60) into a sealing position (I - I) at least for sealing of the mold and wherein the link control component (42; 60) may be operated by a drive (44; 66), preferably one in the form of an electric stepping motor.
8. The production device as claimed in claim 7, wherein the respective drive (44) for the respective molding device (10) of the first type is mounted so as to be stationary at least on a part of the stations (22, 28) and wherein this molding device (10) may be coupled by way of a coupling point to the driven shaft of the drive (44).
9. The production device as claimed in claim 8, wherein the drive shaft (46) for the first molding device (10) extends perpendicularly to its pivot axis (20), wherein the other drive shaft of the other drive (66) for the molding device (32) of the second type extends in

parallel with this pivot axis (20), and wherein the other drive (66) is mounted on the second molding device (32) so as to be stationary.

10. The production device as claimed in one of claims 1 to 9, wherein a laminar flow unit or a sterile barrier is present between the individual stations (22, 24, 26), which laminar flow unit or sterile barrier covers the free openings of the molding device (10) of the first type and accordingly the respective container opening before such opening undergoes sealing under sterile conditions.